

CLAIMS:

- Sub C<sup>1</sup>* → 1. Record carrier storing at least video-related user data and control data in digital form, which control data enable playback control of the user data, which control data comprises at least play control data which defines user data items which are playable, at least selection control data for enabling the user to select and control reproduction of user data and at least variable control data for operating on user and system variables, characterized in that the variable control data comprises at least one instruction for a conditional arithmetical operation.
2. Record carrier according to Claim 1, characterized in that, the instructions are embedded in Command Lists which further comprise a Command List Header which precedes the instruction and an unconditional goto which succeeds the instruction, and which refers to a next list.
3. Record carrier according to Claim 2, characterized in that each Command List comprises only one instruction apart from the unconditional goto.
4. Record carrier according to Claim 2 or 3, characterized in that the play control data is embedded in Play Lists, which Play Lists at least comprise a Play List Header as a first item and at least one Play Item representing playable user-data and at least one reference to a further List, and in that the selection control data is embedded in Selection Lists, which Selection Lists at least comprise a Selection List Header, at least one reference corresponding to a user selection, the Headers being mutually different, and wherein at least one Command List contains a reference to a Play List or a Selection List.
- Sub C<sup>25</sup>* → 5. An apparatus capable of reproducing user-data under control of control data, the user data and the control data being stored in digital form on a record carrier, which user data comprises at least video data, which control data comprises at least play control data which defines user data items which are playable and at least selection control data for enabling the user to select and control reproduction of user data items, which control data further comprise

variable control data defining operations on user and system variables, which apparatus is provided with control means comprising a processor controllable by said control data, characterized in that the apparatus is adapted to be controlled by variable control data which comprises instructions for conditional arithmetical operations.

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6. Apparatus according to Claim 5, characterized in that the control means comprises a single interpreter which is adapted to process the play control data, the selection control data and the variable control data sequentially.

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7. Method of reproducing user-data under control of control data, according to which method the user data and the control data are read from a record carrier on which these data are stored in digital form, which user data comprises at least video data, which control data comprises play control data, selection control data and variable control data, according to which method user data items are played under control of the play control data, according to which method the selection control data enables the user to select and control reproduction of user data items, according to which method the variable control data control operations on user and system variables, characterized in that, the variable control data comprises at least one instruction for a conditional arithmetical operation.

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